AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and the listings of the claims.

Listing of Claims:

1 - 5. (Cancelled)

6. (Currently amended) A parameter adjusting device comprising:

a plurality of processing devices ~~which comprise~~ forming parameter regulation devices configured to optimize parameters using a genetic algorithm;

a part of said plurality of processing devices being ~~configured~~ assigned to search using a local search method ~~and to distribute the search there among~~;

a rest of said plurality of processing devices being assigned to processing of the genetic algorithm, said plurality of processing devices being respectively configured to individually and simultaneously execute the genetic algorithm and having migration devices which, for each of [[to,]] a predetermined number of generation change processing of ~~period prior each local search, be such that each processing device, in accordance with~~ the genetic algorithm ~~processing, based on predetermined numbers~~, send a predetermined number of individuals from a parent population of the individuals using processing of the genetic algorithm ~~of a genetic population~~ to others of said plurality of processing devices and ~~further configured to have a migration arrangement for receiving the predetermined numbers~~ receives a predetermined number of individuals from other processing devices to the parent population; and

search processing control means configured for collecting interim results of searches from the processing devices assigned to the processing by the genetic algorithm and using search processing by the

local search method.

7. (Previously presented) The parameter adjusting device as set forth in claim 6, wherein the each processing device comprises a CPU of a computer or server including a plurality of CPUs in which said genetic algorithm is installed.

8. (Cancelled)

9. (Previously presented) The parameter adjusting device according to claim 6, wherein a selected one of the plurality of processing devices is configured to determine if all of the searches conducted by the plurality of processing devices have been completed and to terminate the local search process in response to completion of all local searches.